

Customer No.: 31561
Docket No.: 12971-US-PA
Application No.: 10/709,850

In the specification:

As shown in Fig.1A, a first electrode layer 104 and an organic functional layer 106 are sequentially directly formed on a substrate 102 and the first electrode layer 104 is directly disposed on the substrate 102. Thus paragraph [0031] is accordingly amended as follows. Moreover, the amended paragraph [0031] contains no new matter.

[0031] Figs. 1A through 1C are schematic cross-sectional views showing the steps for fabricating an organic electro-luminescent device according to one preferred embodiment of the present invention. As shown in Fig. 1A, a first electrode layer 104 and an organic functional layer 106 are sequentially directly formed over a substrate 102, wherein the first electrode layer 104 is directly disposed on the substrate 102. The first electrode layer 104 is formed, for example, by performing a chemical vapor deposition (CVD) process or a physical vapor deposition (PVD) process such as thermal evaporation, electron beam coating or sputtering. In the present embodiment, a low work function material layer 312 may also be formed over the organic functional layer 106 to lower the energy barrier for the injection of carriers into the organic functional layer 106 and improve device performance. The low work function material layer 312 is fabricated using a material comprising calcium (Ca), magnesium/silver alloy (Mg: Ag), aluminum/lithium alloy (Al: Li) or lithium fluoride/aluminum composite metal in a physical vapor deposition process, for example.